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S	/	Saini et al., "A Behavioural Bioassay to Identify Attractive <u>Odours</u> for Glossinidae", (Medical and Veterinary Entomology, (1987), Vol. 1, No. 3, pp. 313-18), STN/CAS online, file Medline, Abstract.
	/	Mihok et al., "Trials of Traps and Attractants for Stomoxys spp. Diptera: Muscidae", (Journal of Medical Entomology, (1995) Vol. 32, No. 3, pp. 283-89). STM/CAS online, file BIOSIS, Abstract.
	/	Voskamp et al., "Olfactory Responses to Attractants and Repellants in Tsetse", (Medical and Veterinary Entomology, (1999) Vol. 13, No. 4, pp. 386-92), STN/CAS online, file BIOSIS, Abstract.
a	-	Laye et al., "Chemical, Microbiological and Sensory Properties of Plain Nonfat Yogurt", (1993), (Journal of Food Science, Vol. 58, No. 5, pp. 991-95.)

John G.

12/3/81

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0148.01

SERIAL NO.

APPLICANT
U. Bernier et al.

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[illegible][illegible]

34	/	Granata et al., "Improved Acid, Flavor and Volatile Compound Production in a <u>High Protein and Fiber</u> Soymilk Yogurt-like Product", (1996), (Journal of Food Science, Vol. 61, No. 2, pp. 331-36.)
	/	Hosono et al., "Metabolism of Brevibacterium Linens and Its Application." (Rakuno Kagaku No <u>Kenkyu</u> (1969), Vol. 18, No. 6, pp. A164-A169), STN/CAS online, file CAPLUS, Abstract.)
	/	Hansen et al., "Flavour of Sourdough Rye Bread Crumb", (1989), Lebensm.-Wiss.u.-Technol., Bol. 22, pp. 141-144.)
35	/	Smith et al., (L-lactic Acid as a Factor in the Attraction of Aedes Aegyptic (Diptera: Culicidae) to Human Hosts, Ann. Entomol. Soc. Amer. (1970), Vol. 63, No.3, pp. 760-70.)

EXAMINER

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Form 1449*

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Applicant: Ulrich R. Bernier et al.

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U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>JS</i>	4,166,112	08/28/1979	Goldberg, L.J.	424	93	03/20/78
	4,187,200	02/05/1980	Jenkin, W.C.	252	472	06/20/78
	4,818,526	04/04/1989	Wilson, R.A., et al.	424	84	08/29/86
	4,907,366	03/13/1990	Balfour, R.S.	43	132.1	09/27/89
	5,657,756	08/19/1997	Vrba, J., et al.	128	653.1	06/07/95
	5,679,364	10/21/1997	Levy, R.	424	405	06/07/95

FOREIGN PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
	98/26661	06/25/1998	PCT	A01N	37/36	

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

**Examiner Initial	Document
<i>JS</i>	Acree Jr., F., et al., "L-Lactic Acid: A Mosquito Attractant Isolated from Humans", <u>Science</u> , 161, 1346-1347, (Sept. 2, 1968)
	Bar-Zeev, M., et al., "Studies on the Attraction of Aedes Aegypti (Diptera: Culicidae) to Man", <u>Journal of Medical Entomology</u> , 14 (1), 113-120, (Aug. 20, 1977)
	Bernier, J.R., "Mass Spectrometric Investigation of Mosquito Attraction to Human Skin Emanations", Ph.D. Thesis presented at the University of Florida, Published by UMI Dissertation Services, Ann Arbor, MI, 1-333 p., (1995)
	Bernier, J.R., et al., "Analysis of Human Skin Emanations by Gas Chromatography/Mass Spectrometry. 1. Thermal Desorption of Attractants for the Yellow Fever Mosquito (Aedes aegypti) from Handled Glass Beads", <u>Analytical Chemistry</u> , 71 (1), Accelerated Articles, 1-7 p., (Jan. 1, 1999)
	Bowen, M.F., et al., "Lactic Acid Sensitive Receptors in the Autogenous Mosquito Aedes atropalpus", <u>Journal of Insect Physiology</u> , 40 (7), 611-615, (1994)
	Braks, M.A., et al., "Incubated Human Sweat But Not Fresh Sweat Attracts the Malaria Mosquito Anopheles gambiae Sensu Stricto", <u>Journal of Chemical Ecology</u> , 25 (3), 663-672, (1999)
<i>JS</i>	Carlson, D.A., et al., "Carbon Dioxide Released from Human Skin: Effect of Temperature and Insect Repellents", <u>Journal of Medical Entomology</u> , 29 (2), 165-170, (1992)

Examiner

Date Considered 12/31/81

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Group: 1614

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

**Examiner
Initial

8	Carlson, D.A., et al., "Yellowfever Mosquitoes: Compounds Related to Lactic Acid that Attract Females", <u>Journal of Economic Entomology</u> , 66 (2), 329-331, (April 1973)	X
/	Charlwood, J.D., et al., "Mosquito-Mediated Attraction of Female European but not African Mosquitoes to Hosts", <u>Annals of Tropical Medicine and Parasitology</u> , 89 (3), 327-329, (1995)	
/	Davis, E.B., "Development of Lactic Acid-Receptor Sensitivity and Host-Seeking Behaviour in Newly Emerged Female Aedes Aegypti Mosquitoes", <u>Journal of Insect Physiology</u> , 30 (3), 211-215, (1984)	
/	Davis, E.B., "Structure-Response Relationship of the Lactic Acid-Excited Neurones in the Antennal Grooved-Peg Sensilla of the Mosquito Aedes Aegypti", <u>Journal of Insect Physiology</u> , 34 (6), Printed in Great Britain, 443-449, (1988)	
/	de Jong, R., et al., "Olfactory Responses of Host-Seeking Anopheles gambiae s.s. Giles (Diptera: Culicidae)", <u>Acta Tropica</u> , 59, 333-335, (1995)	
/	De Jong, R., et al., "Selection of Biting Sites on Man by Two Malaria Mosquito Species", <u>Experientia</u> 51, 80-84, (1995)	
/	Eiras, A.E., et al., "Host Location by Aedes aegypti (Diptera: Culicidae): a Wind Tunnel Study of Chemical Cues", <u>Bulletin of Entomological Research</u> , 81, 151-160, (1991)	
/	Eiras, A.E., et al., "Responses of Female Aedes aegypti (Diptera: Culicidae) to Host Odours and Convection Currents Using an Olfactometer Bioassay", <u>Bulletin of Entomological Research</u> , 84, 207-211, (1994)	
/	Geier, M., et al., "A search for Components in Human Body Odour that Attract Females of Aedes Aegypti", <u>Ciba Foundation Symposium 200 on Olfaction in Mosquito-Host Interactions</u> , 132-148, (1996)	
MC	Gilles, M.T., "The Role of Carbon Dioxide in Host-Finding by Mosquitoes (Diptera: Culicidae) a review", <u>Bulletin of Entomological Research</u> , 70 (1), 525-532, (March 1980)	

Examiner

Date Considered

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OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

**Examiner
Initial

/	Guock, H.K., et al., "Responses of Mosquitoes and Stable Flies to a Man in a Light-Weight Rubber Diving Suit", <u>Journal of Economic Entomology</u> , 55 (3), 386-392, (1962)
/	Ikeshoji, T., "Synergistic Effect of Lactic Acid with a Chemosterilant Metepa to the Sound-Attracted Male Mosquito", <u>Jpn. Sanit. Zool.</u> , 38 (4), 333-338, (1987)
/	Kline, D.L., "Olfactory Responses and Field Attraction of Mosquitoes to Volatiles from Limburger Cheese and Human Foot Odor", <u>Journal of Vector Ecology</u> , 23 (2), 186-194, (Dec. 1998)
/	Kline, D.L., et al., "Field Studies on the Potential of Eutanone, Carbon Dioxide, Honey Extract, 1-octen-3-ol, L-Lactic Acid and Phenols as Attractants for Mosquitoes", <u>Medical and Veterinary Entomology</u> , 4, 383-391, (1990)
/	Knols, B.G., et al., "Behavioural and Electrophysiological Responses of the Female Malaria Mosquito <i>Anopheles gambiae</i> (Diptera: Culicidae) to Limburger Cheese Volatiles", <u>Bulletin of Entomological Research</u> , 87, 151-159, (1997)
/	Knols, B.G., et al., "Limburger Cheese as an Attractant for the Malaria Mosquito <i>Anopheles gambiae</i> s.s.", <u>Parasitology Today</u> , 12 (4), 159-161, (1996)
/	Mboera, L.E., et al., "Olfactory Responses of Female <i>Culex quinquefasciatus</i> Say (Diptera: Culicidae) in a Dual-Choice Olfactometer", <u>Journal of Vector Ecology</u> , 23 (2), 107-113, (Dec. 1998)
/	McCall, P.J., et al., "Attraction and Trapping of <i>Aedes aegypti</i> (Diptera: Culicidae) with Host Odors in the Laboratory", <u>Journal of Medical Entomology</u> , 33 (1), 177-179, (1996)
/	Posey, K.H., et al., "Triple Cage Olfactometer for Evaluating Mosquito (Diptera: Culicidae) Attraction Responses", <u>Journal of Medical Entomology</u> , 35 (3), 330-334, (1998)
/	Price, G.D., et al., "The Attraction of Female Mosquitoes (<i>Anopheles quadrimaculatus</i> SAY) to Stored Human Emanations in Conjunction with Adjusted Levels of Relative Humidity, Temperature, and Carbon Dioxide", <u>Journal of Chemical Ecology</u> , 5 (3), 383-395, (1979)

Examiner

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*Substitute Disclosure Statement Form (PTO-1449)

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OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

**Examiner
Initial

/	Rudolfs, W., "Chemotropism of Mosquitoes", <u>New Jersey Agricultural Experiment Stations, Bulletin 367</u> , New Brunswick, NJ, 1-23 p., (March 1922)
/	Schreck, C.E., et al., "A Material Isolated from Human Hands that Attracts Female Mosquitoes", <u>Journal of Chemical Ecology</u> , 8 (2), 429-438, (1981)
/	Schreck, C.E., et al., "Mosquito Attraction to Substances from the Skin of Different Humans", <u>Journal of the American Mosquito Control Association</u> , 6 (3), 406-410, (Sept. 1990)
/	Takken, W., "The Role of Olfaction in Host-seeking of Mosquitoes: A Review", <u>Insect Sci. Applic.</u> , 12 (1/2/3), 187-294, (1991)
/	Takken, W., et al., "Carbon Dioxide and 1-Octen-3-OL as Mosquito Attractants", <u>Journal of the American Mosquito Control Association</u> , 5 (3), 311-316, (Sept. 1989)
/	Takken, W., et al., "Odor-Mediated Behavior of Afrotropical Malaria Mosquitoes", <u>Annu. Rev. Entomol.</u> , 44, 131-157, (1999)
/	Takken, W., et al., "Odor-Mediated Flight Behavior of Anopheles gambiae Giles Sensu Stricto and An. stephensi Liston in Response to Carbon Dioxide, Acetone, and 1-Octen-3-ol (Diptera: Culicidae)", <u>Journal of Insect Behavior</u> , 10 (3), 395-407, (May 1997)
/	Vale, G.A., et al., "The Use of 1-octen-3-ol, Acetone, and Carbon Dioxide to Improve Baits for Tsetse Flies, Glossina spp (Diptera: Glossinidae)", <u>Bull. ent. Res.</u> , 75, 219-231, (1985)
/	Van Essen, P.H., et al., "Differential Responses of Aedes and Culex Mosquitoes to Octenol or Light in Combination with Carbon Dioxide in Queensland, Australia", <u>Medical and Veterinary Entomology</u> , 63-67, (1993)
/	Wensler, R.J., "The Effect of Odors on the Behavior of Adult Aedes aegypti and Some Factors Limiting Responsiveness", <u>Can. J. Zool.</u> , 50, 415-420, (1972)
/	Willis, E.R., et al., "Reactions of Aedes Aegypti (L.) to Carbon Dioxide", <u>J. Exp. Zool.</u> , 121, 149-179, (1952)

Examiner

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